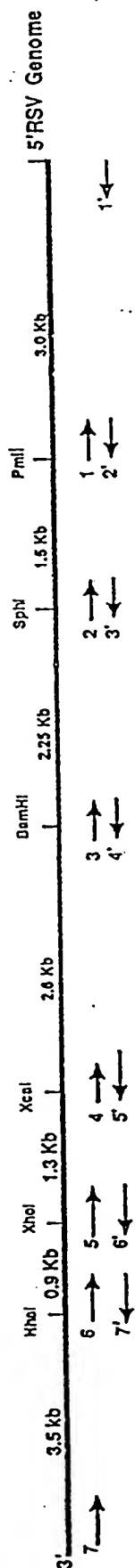


FIG. 1

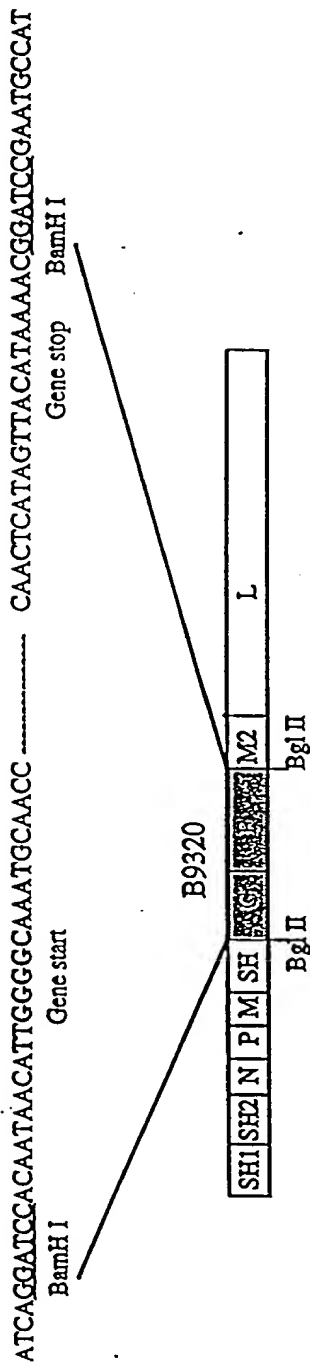


Primer Sequences:

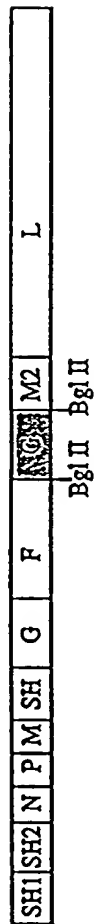
- 1: 5' GTTTAACACGTTGGTGAG
 2: 5' ACATATAGGCATGCACC
 3: 5' GACAAAATGGATCCCAT
 4: 5' TGGTTGGTATACCAAGTCA
 5: 5' TACCAAGAGCTCGAGTCA
 6: 5' TTTACCATATGGCTAATGT
 7: 5' ACGCGAAAAAATGCGTACA
 1': 5' ACGAGAAAAAAGTGTCAA
 2': 5' CTCACCAACGTGTTAAAC
 3': 5' GGTGCATGCCCTATATGT
 4': 5' AATGGGATCCATTTGTCC
 5': 5' AACACTGGTATACCAACCA
 6': 5' TGAATCGAGCTCTTGGTA
 7': 5' ACATTAGGCATATGGTAAA

FIG. 3

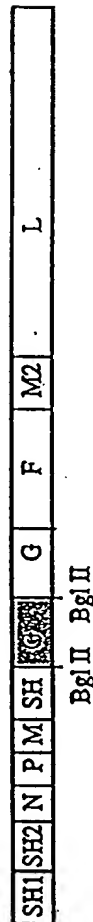
A. RSVB-GF



B. RSVB9320G-F/M2



C. RSVB9320G-SH/G



FIGS. 4A-C

002211 8854260

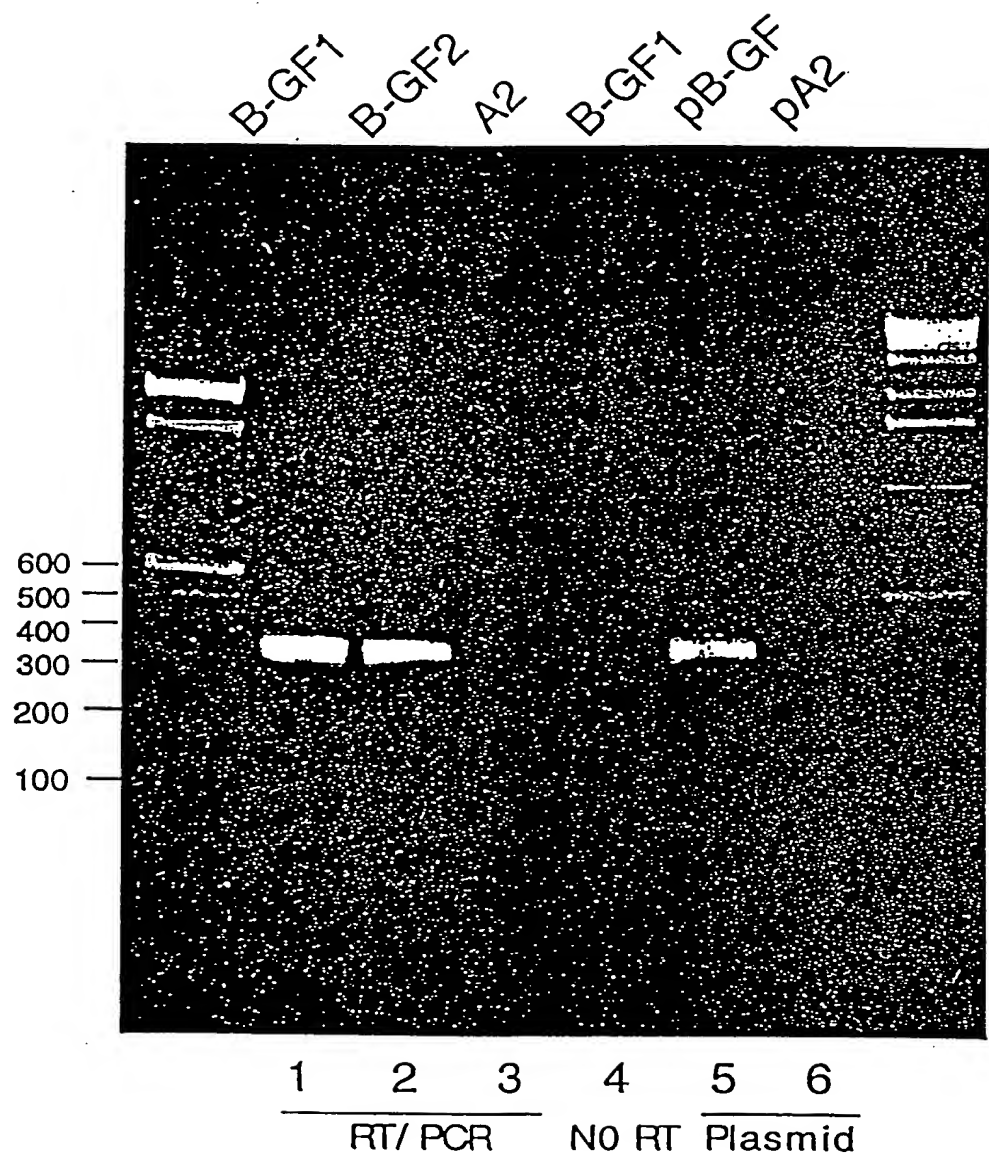
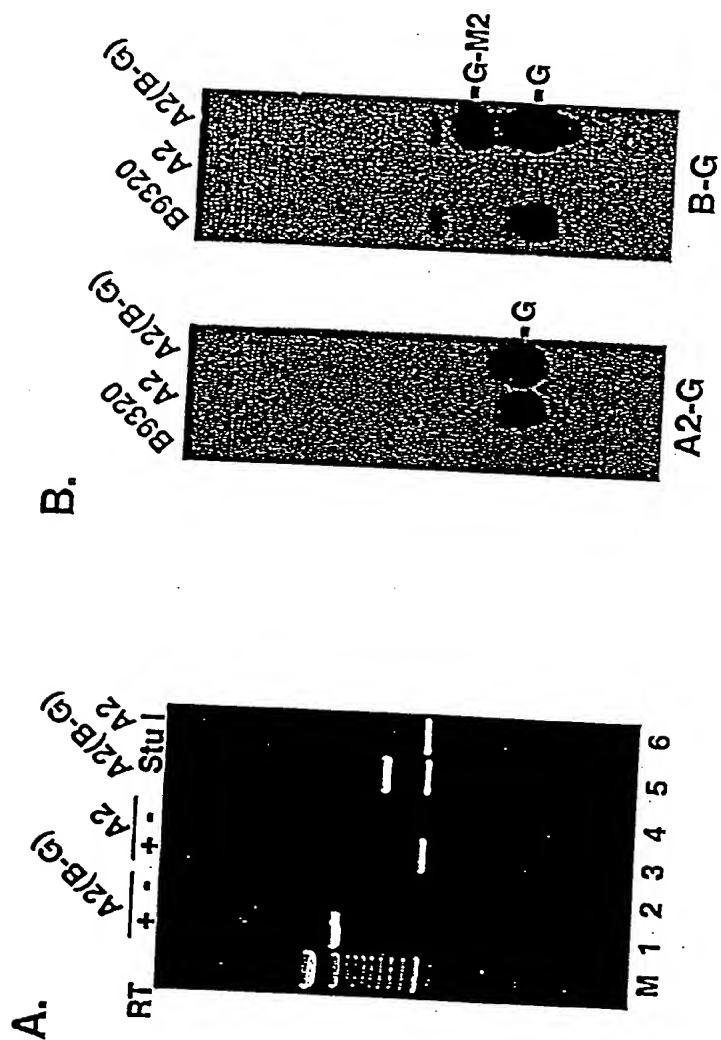


FIG. 5



FIGS. 6A-B

000211" 88542260

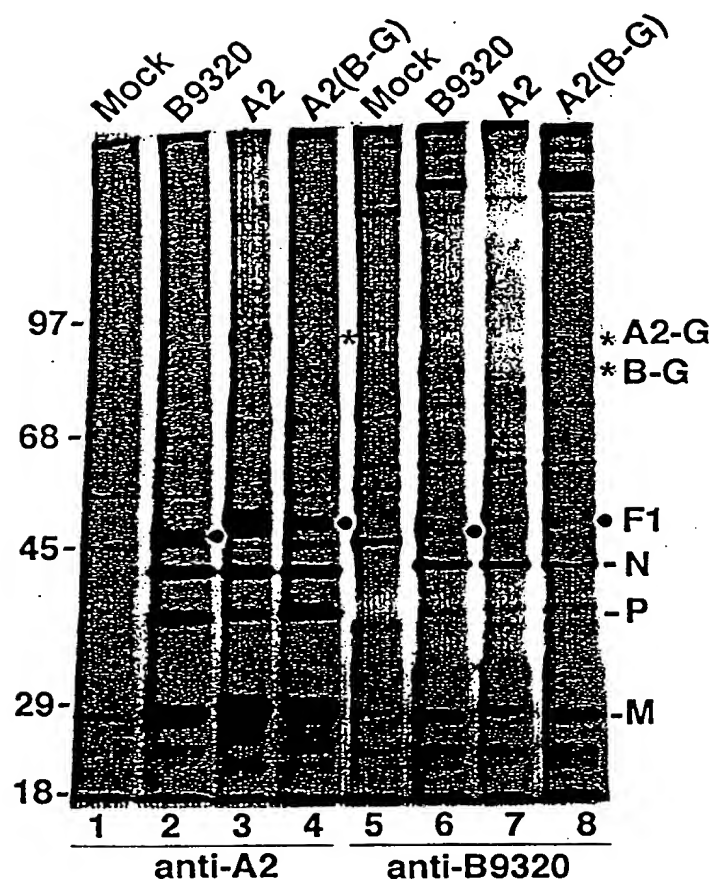


FIG. 7

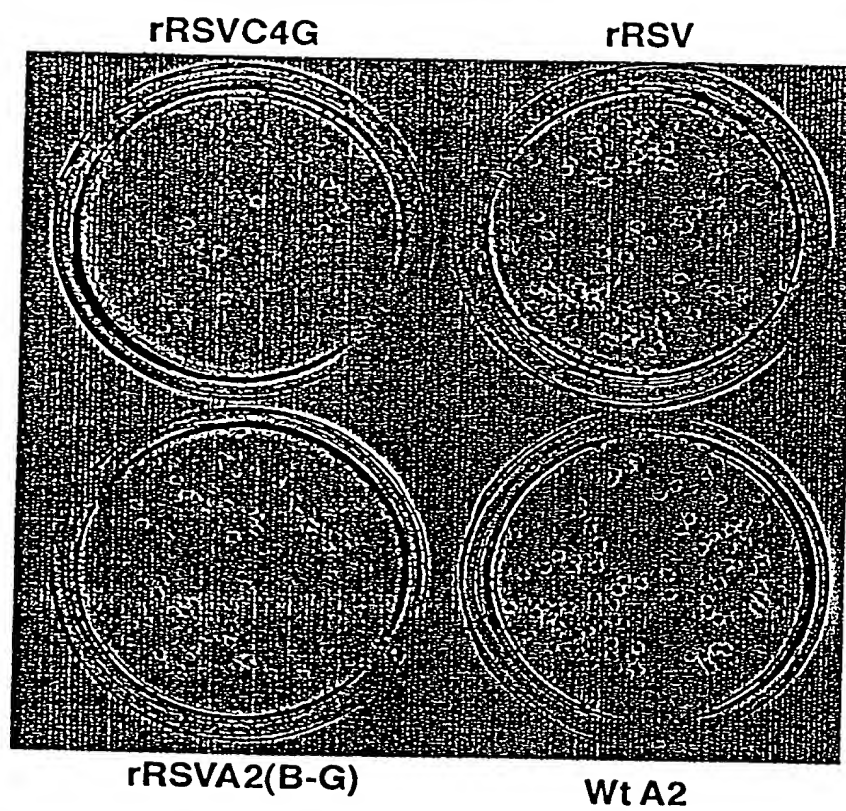


FIG. 8

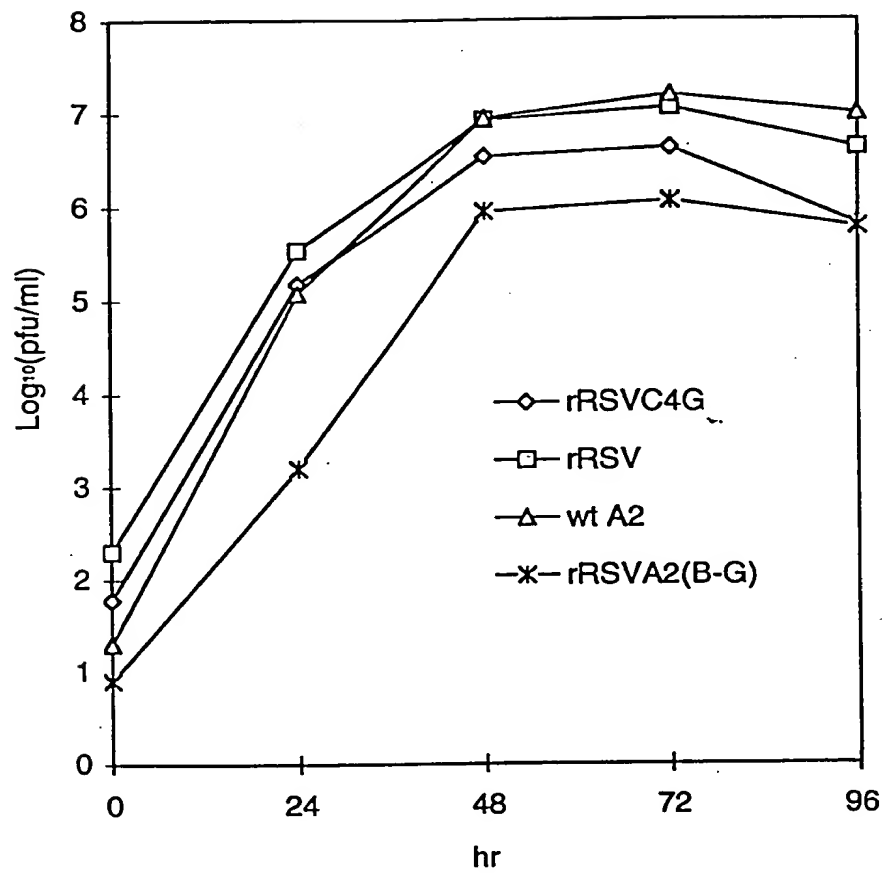


FIG. 9

Charged. Clusters (Amino Acids that are underlined were changed to alanines)
Mutations in cpts-248/404
Mutation in cpts530

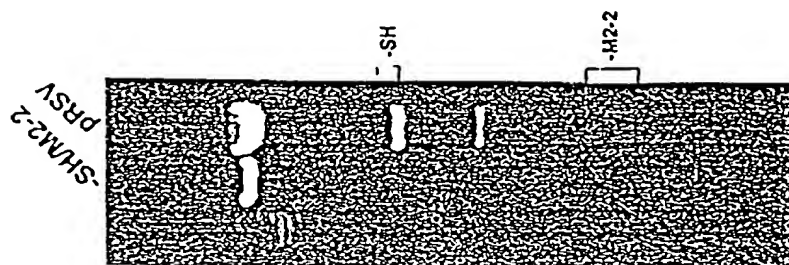
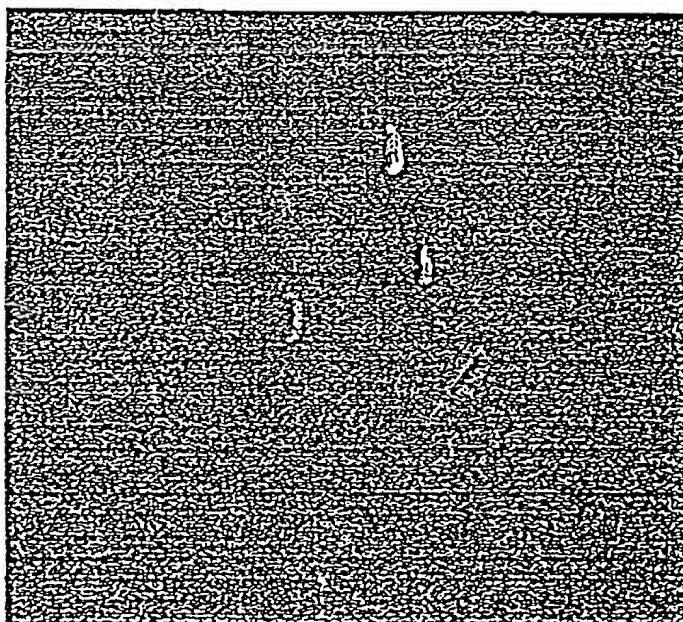
FIG. 10

C Cysteine residues
C Cysteine residues that were changed to valine or aspartic acid
C Cysteine residue deleted

FIG. 11

A.

	-SH	SH	-M2-2	M2-2
RT	+	+	+	+



FIGS. 12A-B